

L4 ANSWER 1 OF 2 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN  
 AN 1985-267645 [43] WPIX  
 DNC C1985-116198 [21]  
 TI Melt spinning pack - containing filter medium in net including sintered metal, and particulate filtering medium of silica, covered with cured modified silicone  
 DC A26; A31; A88; F01  
 IN KATO T; KUWABARA M; TAKEDA T  
 PA (TORA-C) TORAY IND INC  
 CYC 1  
 PI JP 60181309 A 19850917 (198543)\* JA 6[0] <--  
 JP 05032487 B 19930517 (199322) JA 7  
 ADT JP 60181309 A JP 1984-35888 19840229; JP 05032487 B JP 1984-35888 19840229  
 FDT JP 05032487 B Based on JP 60181309 A  
 PRAI JP 1984-35888 19840229  
 IC ICM D01D001-10  
 IPCR B01D0039-02 [I,C]; B01D0039-06 [I,A]; D01D0001-00 [I,C]; D01D0001-10 [I,A]; D01D0004-00 [I,C]; D01D0004-04 [I,A]  
 AB JP 60181309 A UPAB: 20050426  
 Pack contains filtering medium in plate of net and filter medium in particles all of which are covered with a cured film of modified silicone. Pref. modified silicone is a silicone resin which has reactive functional gp. other than alkyl gp. in side chain at terminal and can be cured at a relatively low temperature of below 300 deg.C such as methyl hydrodiene silicone  
 and alcohol (epoxy, carbinol, amino) -modified silicone. It is applied in 0.001 to 5.0, pref. 0.01 to 1.0 weight% of filtering medium. The filtering medium in plate of net includes sintered metal, filter, sintered metal net, etc. The particulate filtering medium consists of alumina, stainless steel, glass bead, silica sand, etc.  
 ADVANTAGE - Used for filtration of molten thermoplastic polymer for melt spinning. Decomposition or crosslinking of molten polymer is prevented and loss of spun fibre due to end breakage, etc. especially in initial stage of spinning is minimised.  
 MC CPI: A06-A00E2; A10-G01; A11-B15B; A12-H04; A12-S05L; F01-C; F01-C01; F01-C03

L4 ANSWER 2 OF 2 JAPIO (C) 2007 JPO on STN  
 AN 1985-181309 JAPIO  
 TI MELT SPINNING PACK  
 IN TAKEDA TOSHIYUKI; KUWABARA MASATO; KATO TETSUYA  
 PA TORAY IND INC  
 PI JP 60181309 A 19850917 Showa  
 AI JP 1984-35888 (JP59035888 Showa) 19840229  
 PRAI JP 1984-35888 19840229  
 SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1985  
 IC ICM D01D001-10  
 ICS B01D0039-06; D01D004-04  
 AB PURPOSE: A melt spinning pack, obtained by forming fixed films prepared by curing a modified silicone on the respective surfaces of a plate or netlike filter medium and granular filter medium, useful for filtration members for molten polymers, and capable of preventing broken yarns during spinning and deterioration in yarn quality.  
 CONSTITUTION: A melt spinning pack, obtained by packing a plate and netlike filter material and a granular filter medium therein, and applying and forming cured fixed films of a modified silicone, e.g. methylhydrogensilicone, on the surfaces of the above-mentioned filter material and the above-mentioned filter medium in an amount of 0.01&sim;1.0wt% for the filter material and 0.05&sim;0.5wt% for the filter

medium.

USE: Suitable for melt spinning of thermoplastic synthetic polymers, e.g. polyamide or polyester, easily decomposable at relatively high temperatures.

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